

FIG. 1A

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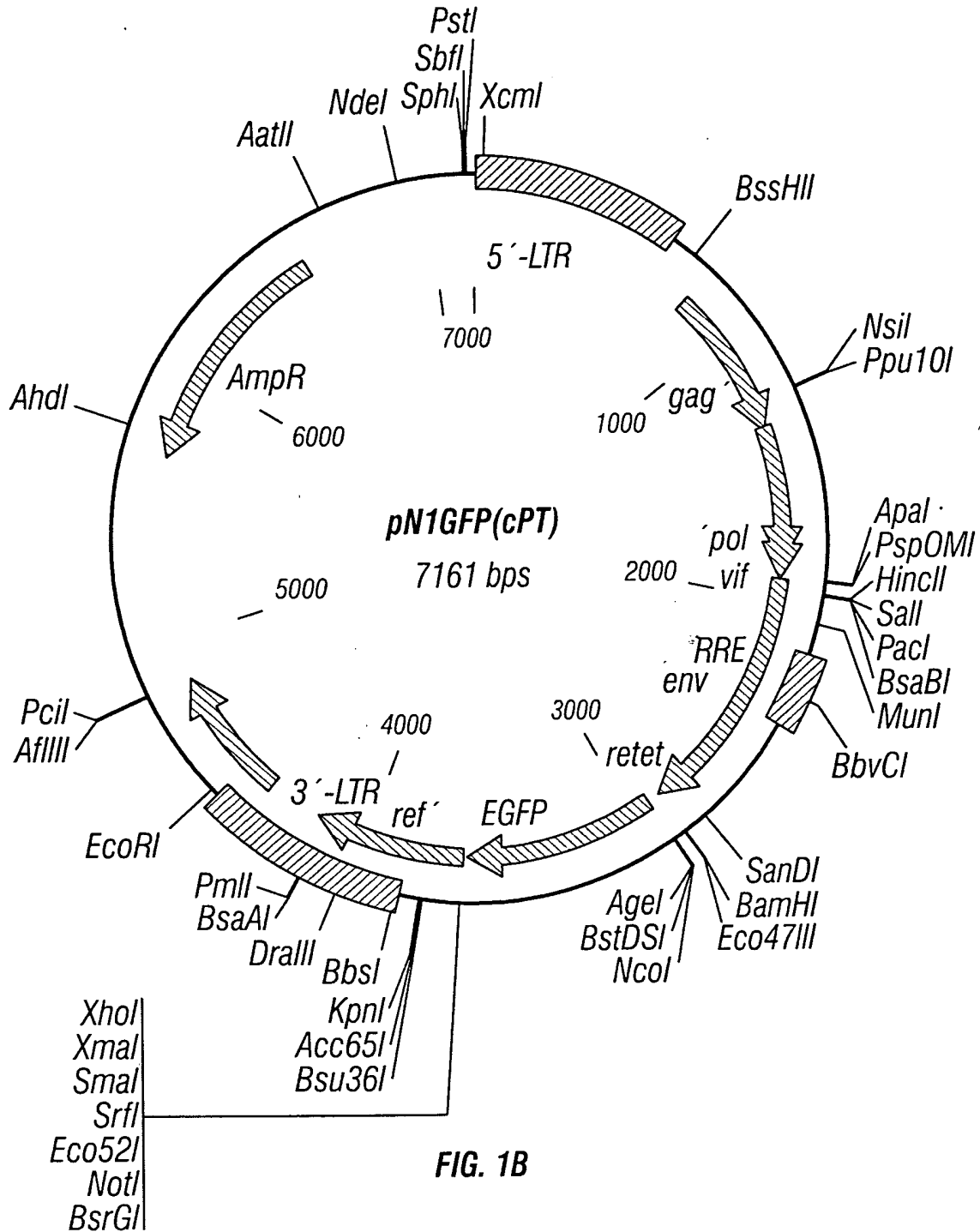
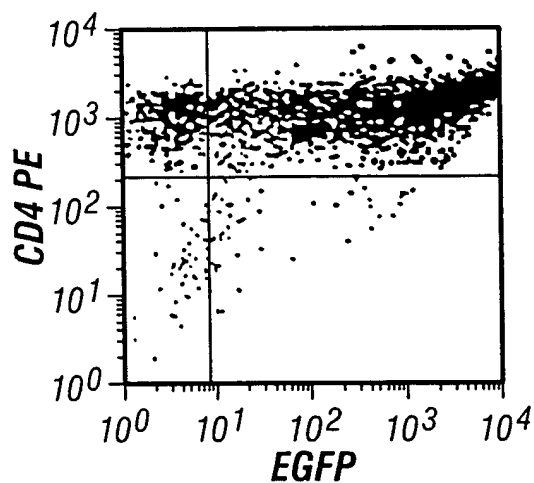


FIG. 1B

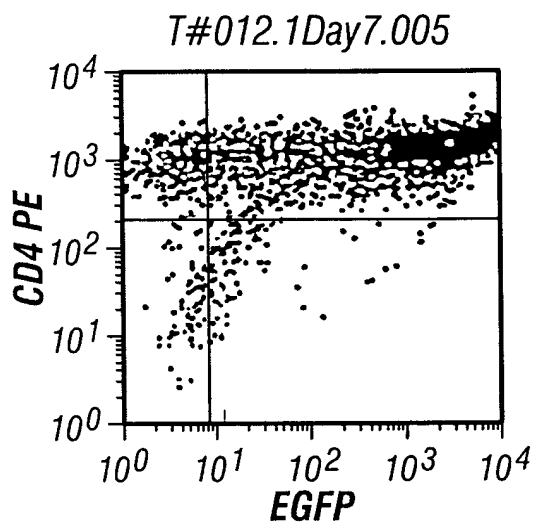
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*Stimulation Day 1*

*CD4+ EGFP+: 91.22%*  
*MF: 3325*

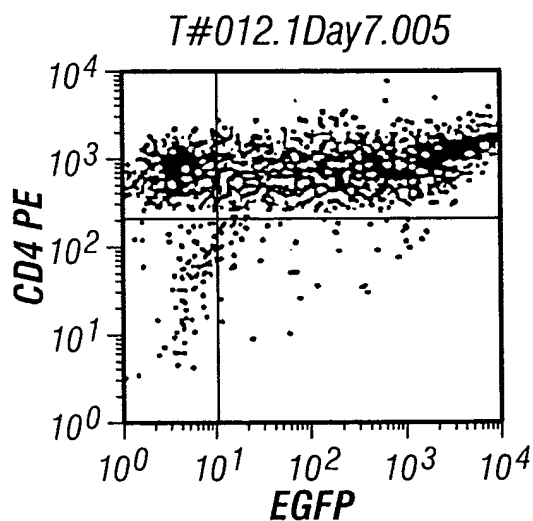
**FIG. 2A**



*Stimulation Day 0*  
*Transduction Day 1*

*CD4+ EGFP+: 89.12%*  
*MF: 2962*

**FIG. 2B**

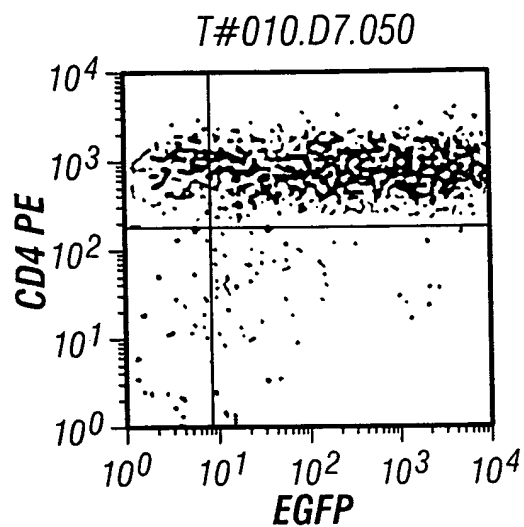


*Stimulation Day 0*  
*Transduction Day 0*

*CD4+ EGFP+: 80.24%*  
*MF: 1966*

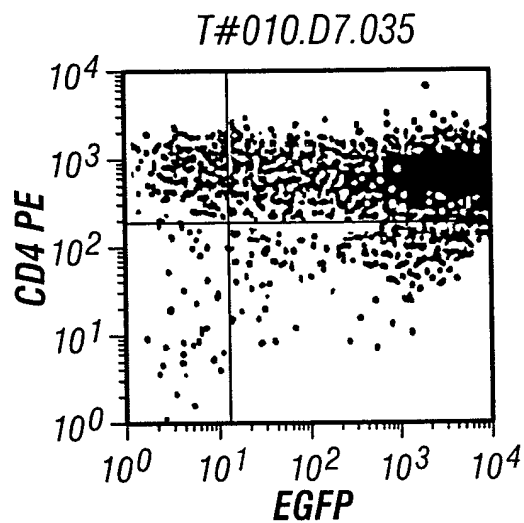
**FIG. 2C**

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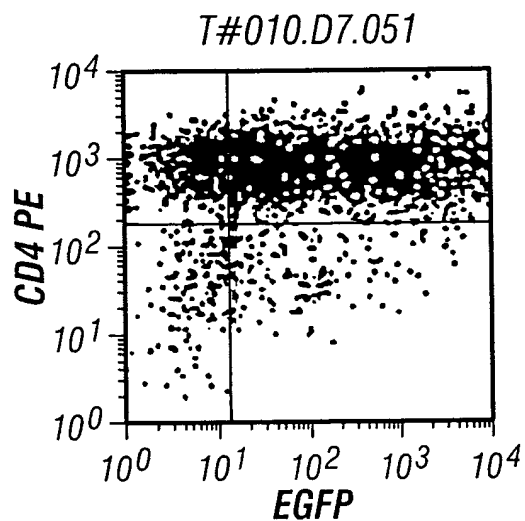
IL2/PHA-p  
CD4+ EGFP+: 84.5%  
MF: 1920

**FIG. 3A**



ICD3/ICD28  
CD4+ EGFP+: 96%  
MF: 5450

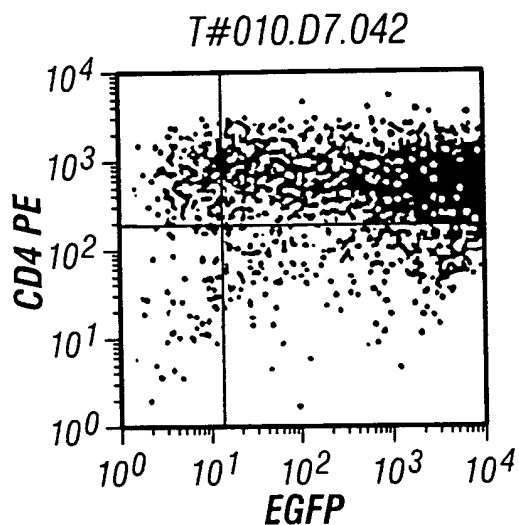
**FIG. 3B**



IL2/PHA-P  
CD4+ EGFP+: 80.95%  
MF: 1110

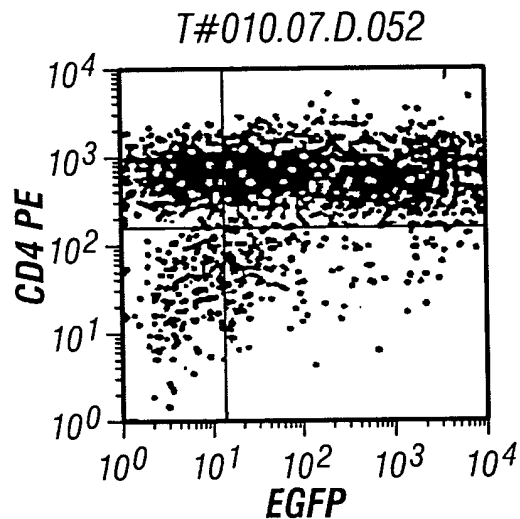
**FIG. 3C**

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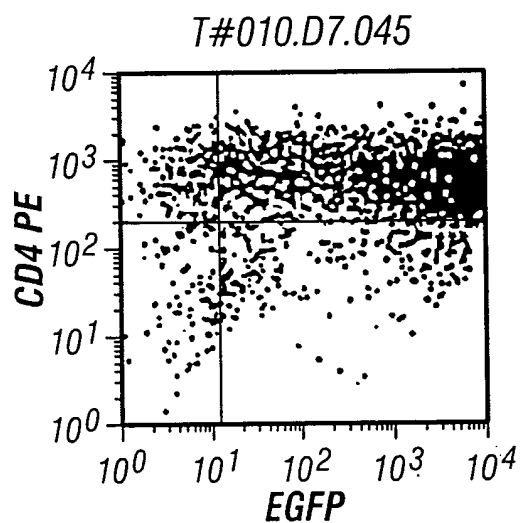
ICD3/ICD28  
CD4+ EGFP+: 95.5%  
MF: 5259

**FIG. 3D**



IL2/PHA-P  
CD4+ EGFP+: 70.2%  
MF: 863

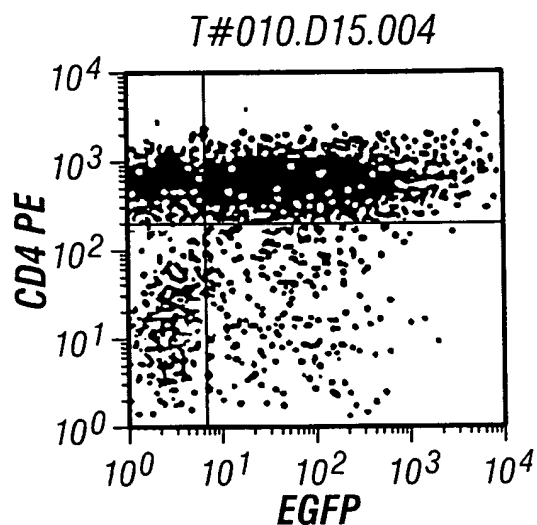
**FIG. 3E**



ICD3/ICD28  
CD4+ EGFP+: 95.4%  
MF: 5346

**FIG. 3F**

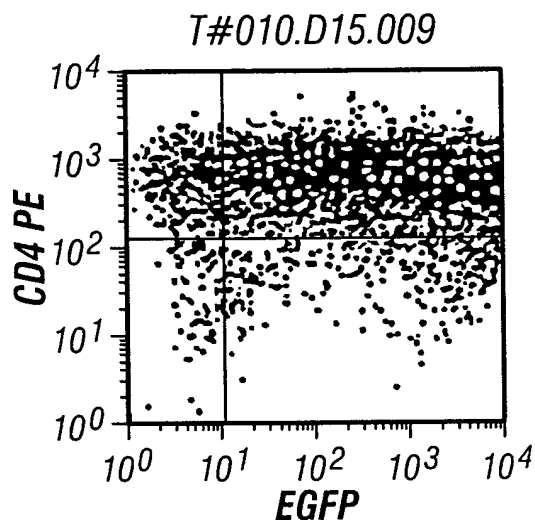
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1st Wk: IL2/PHA-P  
2nd Wk: IL2

CD4+ EGFP+: 75.3%  
MF: 204

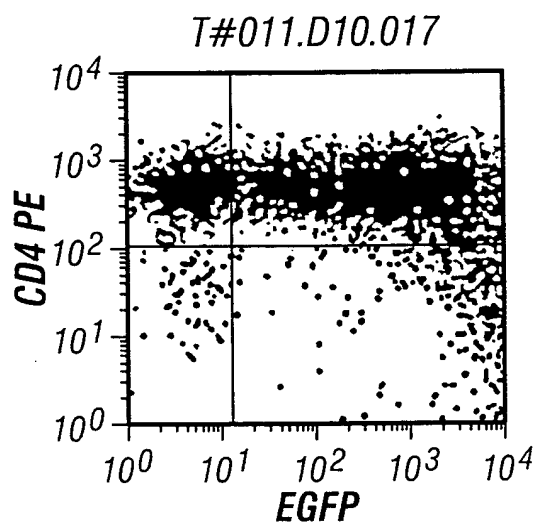
**FIG. 4A**



1st Wk: ICD3/ICD28  
2nd Wk: IL2

CD4+ EGFP+: 92.8%  
MF: 3054

**FIG. 4B**

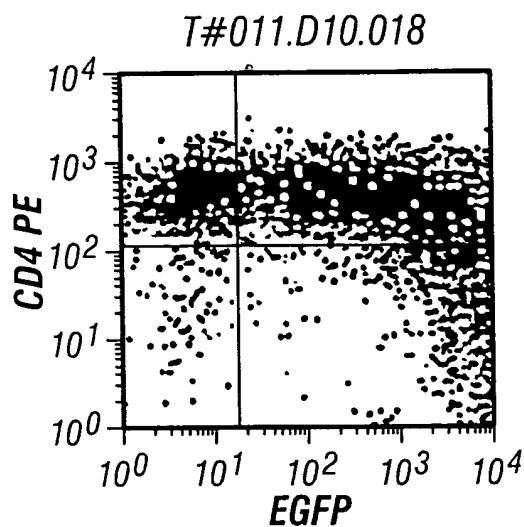


pN1(cpt)CGFP at MOI20

CD4+ EGFP+: 77.1%  
MF: 1591

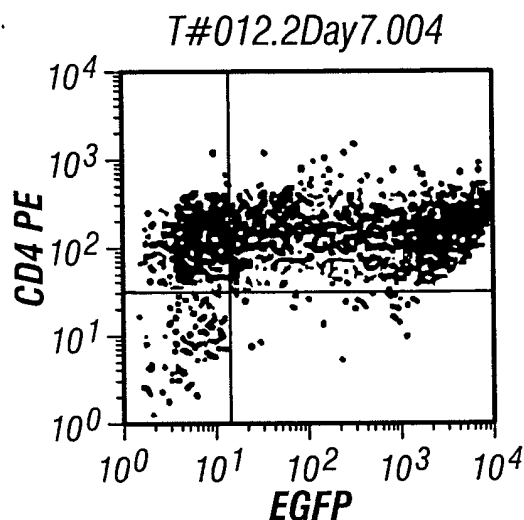
**FIG. 5A**

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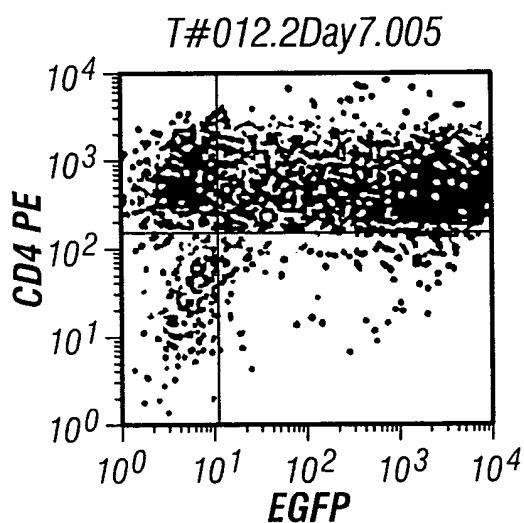
*pN2CGFP at MOI 20*  
*CD4+ EGFP+: 78.2%*  
*MF: 1966*

**FIG. 5B**



*MOI 2*  
*CD4+ EGFP+: 72.7%*  
*MF: 3438*

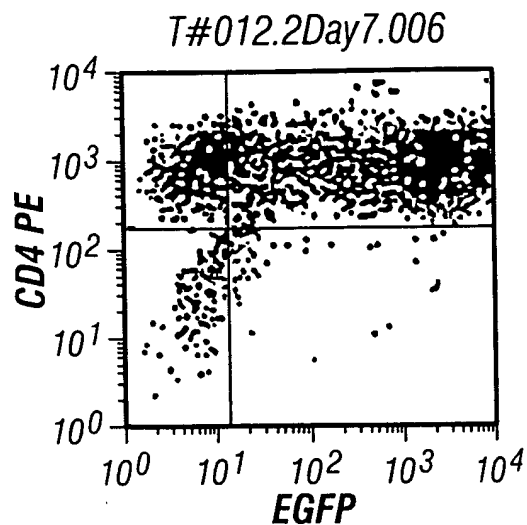
**FIG. 6A**



*MOI 5*  
*CD4+ EGFP+: 74.4%*  
*MF: 2410*

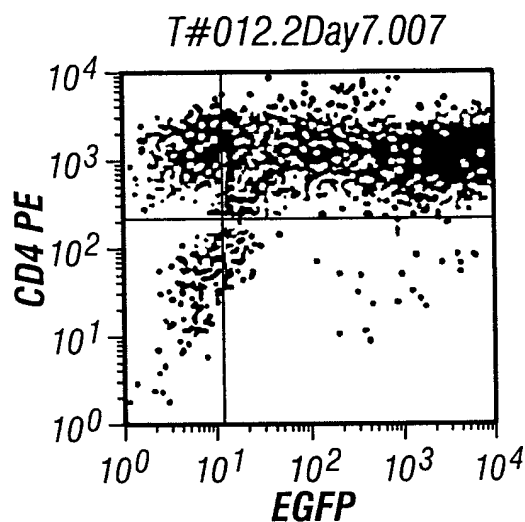
**FIG. 6B**

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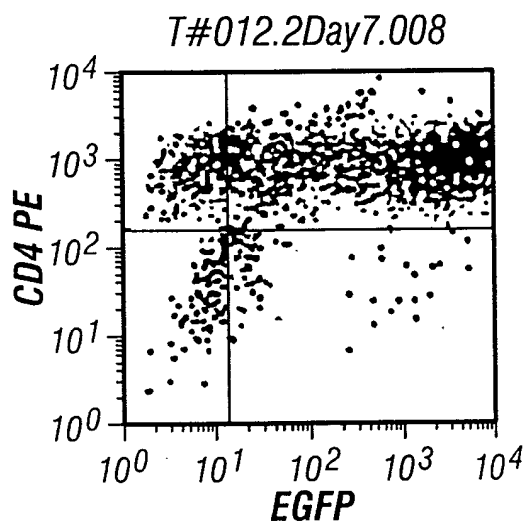
MOI 10  
CD4+ EGFP+: 78.7%  
MF: 2628

**FIG. 6C**



MOI 15  
CD4+ EGFP+: 82.4%  
MF: 2822

**FIG. 6D**



MOI 20  
CD4+ EGFP+: 83.8%  
MF: 2780

**FIG. 6E**



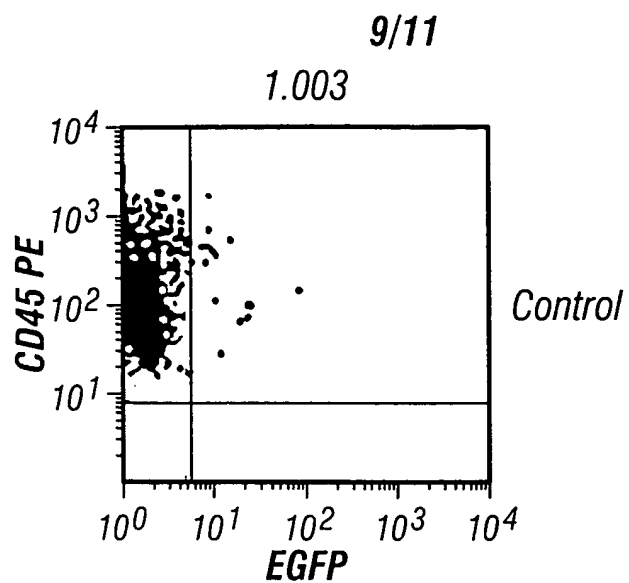


FIG. 7A

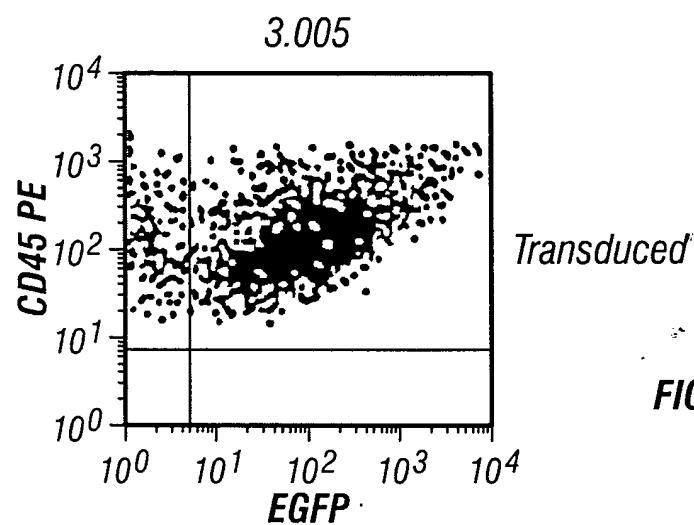


FIG. 7B

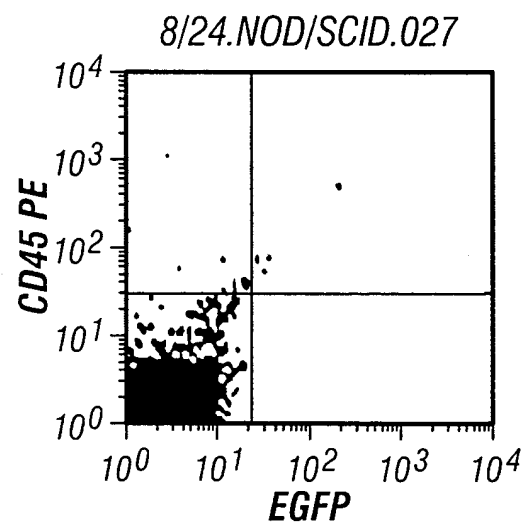


FIG. 8A

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8/24.NOD/SCID.007

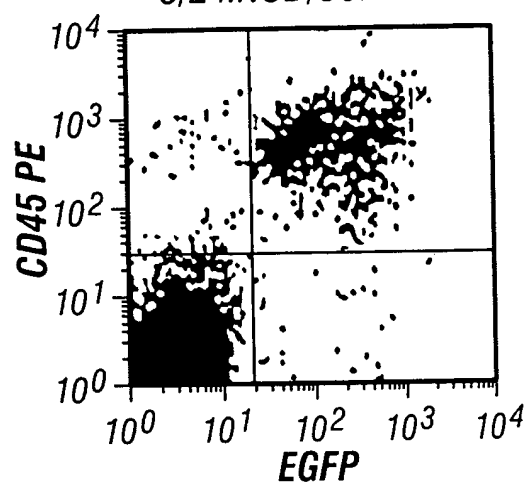


FIG. 8B

8/24.NOD/SCID.022

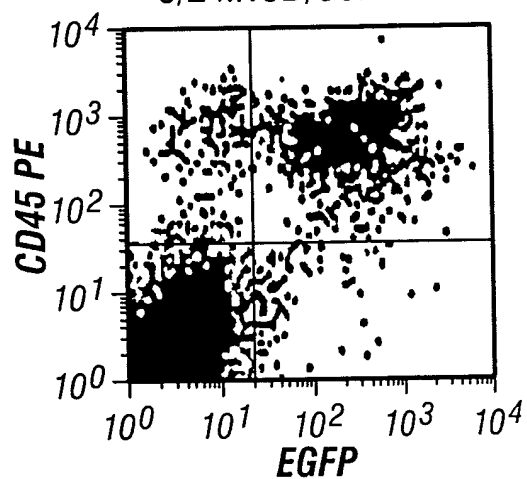


FIG. 8C

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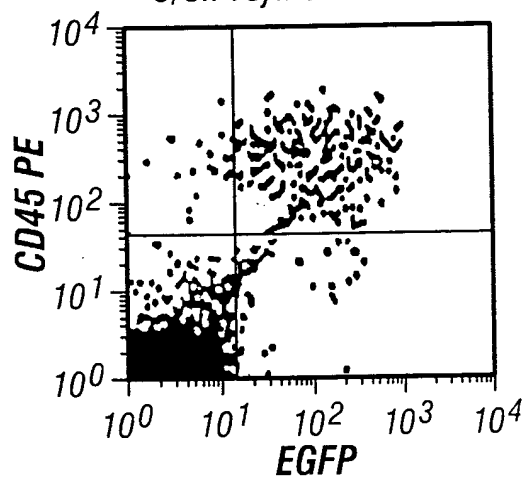
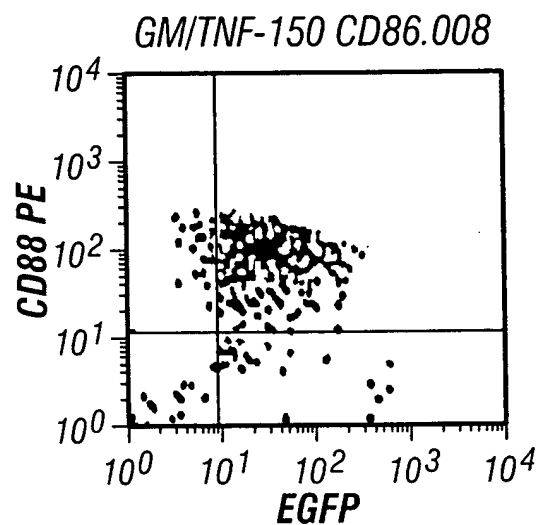
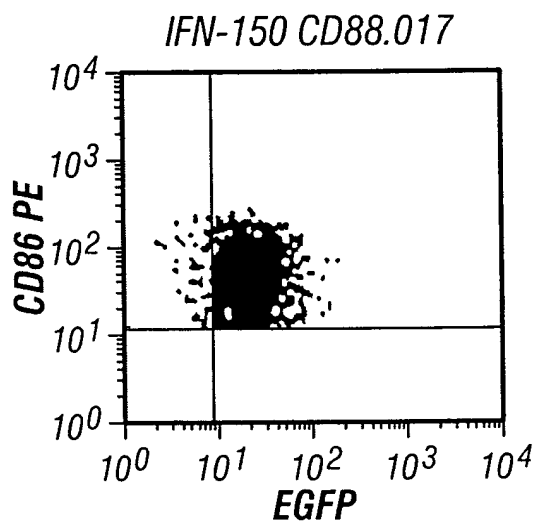


FIG. 8D

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**FIG. 9A**



**FIG. 9B**